

Green shading is used to highlight specific screening level values that  
 Red text is used to highlight the specific screening level values that **decreased**

Surface Soil (0-2 feet)					
Contaminant of Concern	Classification		RBCA Screening Level (mg/kg)		Rationale
			Old (2007)	New (2009)	
C <sub>5</sub> -C <sub>8</sub> Aliphatics	<10 feet to Groundwater	R	40	60	2
		C	300	200	Recalculated leaching RBSL based on new groundwater RBSL, 2, and 5.
	10-20 feet to Groundwater	R	40	60	2
		C	300	300	No change, 1, 2, and 5
	>20 feet to Groundwater	R	40	60	2
		C	300	300	No change, 1, 2, and 5
C <sub>9</sub> -C <sub>12</sub> Aliphatics	<10 feet to Groundwater	R	90	100	2
		C	500	700	2 and 5
	10-20 feet to Groundwater	R	90	100	2
		C	500	700	2 and 5
	>20 feet to Groundwater	R	90	100	2
		C	500	700	2 and 5
C <sub>9</sub> -C <sub>10</sub> Aromatics	All	Both			No change, 1, 2, and 5
MTBE	All	Both			No change, 1, 2, 3, 4, 5, and 6
Benzene	All	Both			No change, 1, 2, 3, 4, and 5
Toluene	All	Both			No change, 1, 2, 3, 4, and 5
Ethylbenzene	<10 feet to Groundwater	R	10	6	2, 3, 4, and 6
		C	10	10	No change, 1, 2, 3, 4, 5, and 6
	10-20 feet to Groundwater	R	40	6	2, 3, 4, and 6
		C	40	30	2, 3, 4, 5, and 6
	>20 feet to Groundwater	R	60	6	2, 3, 4, and 6
		C	60	30	2, 3, 4, 5, and 6
Xylenes	<10 feet to Groundwater	R	30	70	2, 3, and 4
		C	100	200	2, 3, 4, and 5
	10-20 feet to Groundwater	R	30	70	2, 3, and 4
		C	100	300	2, 3, 4, and 5
	>20 feet to Groundwater	R	30	70	2, 3, and 4
		C	100	300	2, 3, 4, and 5
Naphthalene	<10 feet to Groundwater	R	9	4	2, 3, and 6
		C	9	9	No change, 1, 2, 3, 5, and 6
	10-20 feet to Groundwater	R	10	4	2, 3, and 6
		C	30	20	2, 3, 5, and 6
	>20 feet to Groundwater	R	10	4	2, 3, and 6
		C	40	20	2, 3, 5, and 6

**EQC**  
**MARCH 5, 2010**  
**EXHIBIT 6**

Green shading is used to highlight specific screening level values that  
Red text is used to highlight the specific screening level values that **decreased**

Surface Soil (0-2 feet)					
1,2-Dibromoethane	All	Both			No change, 1, 2, 3, 4, and 5
1,2-Dichloroethane	All	Both			No change, 1, 2, 3, 4, and 5
EPH Screen, Fractionate	All	Both			No change, but added to the table.
C <sub>9</sub> -C <sub>18</sub> Aliphatics	<10 feet to Groundwater	R	200	200	No change, 1, and 2
		C	900	1,000	2 and 5
	10-20 feet to Groundwater	R	200	200	No change, 1, and 2
		C	900	1,000	2 and 5
	>20 feet to Groundwater	R	200	200	No change, 1, and 2
		C	900	1,000	2 and 5
C <sub>19</sub> -C <sub>36</sub> Aliphatics	<10 feet to Groundwater	R	2,500	20,000	1, 2, 5, and 8
		C	5,000	100,000	1, 2, 5, and 8
	10-20 feet to Groundwater	R	2,500	20,000	1, 2, 5, and 8
		C	5,000	100,000	1, 2, 5, and 8
	>20 feet to Groundwater	R	2,500	20,000	1, 2, 5, and 8
		C	5,000	100,000	1, 2, 5, and 8
C <sub>11</sub> -C <sub>22</sub> Aromatics	All	Both			No change, 1, 2, and 5
Anthracene	All	Both			No change, 1, 2, and 5
Acenaphthene	All	Both			No change, 1, 2, and 5
Benz(a)anthracene	<10 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
	10-20 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
	>20 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
Benzo(a)pyrene	<10 feet to Groundwater	R	0.07	0.02	2 and 7
		C	0.4	0.2	2, 5, and 7
	10-20 feet to Groundwater	R	0.07	0.02	2 and 7
		C	0.4	0.2	2, 5, and 7
	>20 feet to Groundwater	R	0.07	0.02	2 and 7
		C	0.4	0.2	2, 5, and 7
Benzo(b)fluoranthene	<10 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
	10-20 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
	>20 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7



Green shading is used to highlight specific screening level values that  
 Red text is used to highlight the specific screening level values that **decreased**

Surface Soil (0-2 feet)					
Benzo(k)fluoranthene	<10 feet to Groundwater	R	7	2	2 and 7
		C	40	20	2, 5, and 7
	10-20 feet to Groundwater	R	7	2	2 and 7
		C	40	20	2, 5, and 7
	>20 feet to Groundwater	R	7	2	2 and 7
		C	40	20	2, 5, and 7
Chrysene	<10 feet to Groundwater	R	70	20	2 and 7
		C	400	200	2, 5, and 7
	10-20 feet to Groundwater	R	70	20	2 and 7
		C	400	200	2, 5, and 7
	>20 feet to Groundwater	R	70	20	2 and 7
		C	400	200	2, 5, and 7
Dibenzo(a,h)anthracene	<10 feet to Groundwater	R	0.07	0.02	2 and 7
		C	0.4	0.2	2, 5, and 7
	10-20 feet to Groundwater	R	0.07	0.02	2 and 7
		C	0.4	0.2	2, 5, and 7
	>20 feet to Groundwater	R	0.07	0.02	2 and 7
		C	0.4	0.2	2, 5, and 7
Fluoranthene	All	Both			No change, 1, 2, and 5
Fluorene	All	Both			No change, 1, 2, and 5
Indeno(1,2,3-cd)pyrene	<10 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
	10-20 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
	>20 feet to Groundwater	R	0.7	0.2	2 and 7
		C	4	2	2, 5, and 7
Naphthalene	<10 feet to Groundwater	R	9	4	2, 3, and 6
		C	9	9	No change, 1, 2, 3, 5, and 6
	10-20 feet to Groundwater	R	10	4	2, 3, and 6
		C	30	20	2, 3, 5, and 6
	>20 feet to Groundwater	R	10	4	2, 3, and 6
		C	40	20	2, 3, 5, and 6
Pyrene	All	Both			No change, 1, 2, and 5

Notes:

R = Residential land use

C = Commercial land use

<sup>1</sup>Changes did not impact most conservative rounded RBSL.

<sup>2</sup>Changed method of calculating inhalation exposure and updated particulate emission factor (EPA, January 2009 and EPA, September 2008).

<sup>3</sup>Volatilization factors changed to those used in EPA, September 2008.

<sup>4</sup>Dermal exposure no longer included in RBSL calculations for volatile compounds (EPA, September 2008).

<sup>5</sup>Commercial dermal adherence factor changed to that used in EPA, September 2008.

<sup>6</sup>Updated toxicity data (September 2008).

<sup>7</sup>Added inhalation exposure for PAHs using inhalation unit risk and changed PAH RBSL calculation to reflect mutagenic mode of action

Green shading is used to highlight specific screening level values that  
Red text is used to highlight the specific screening level values that **decreased**

<b>Surface Soil (0-2 feet)</b>
--------------------------------

(September 2008).

<sup>8</sup>Changed beneficial use criteria to qualitative.